

Appl. No. : 10/003,703
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AMENDMENTS TO THE CLAIMS

Please cancel Claims 1-17, 22-24 and 27-32.

1-33. (Canceled)

33. **(Previously Presented)** A data collision rectification device for use in a wireless communication network wherein data transmissions using frequency-overlapping protocols comprising a first protocol and a second protocol operate to exchange information between a plurality of data transfer nodes, the device comprising:

a coordination module which determines first and second transmission priorities associated with a first data transmission using the first protocol and a second data transmission using the second protocol, respectively; and determines a first current quality of service of the first transmission and a second current quality of service of the second transmission; and

a synchronization module which moderates the first transmission in response to determining that (1) the first transmission priority is higher than the second transmission priority, (2) the second current quality of service is not within an acceptable quality of service range for transmissions using the second protocol, and (3) the first current quality of service is within an acceptable quality of service range for transmissions using the first protocol.

34. **(Previously Presented)** The device of Claim 33, wherein the synchronization module moderates the second transmission in response to determining that (1) the second transmission priority is lower than the first transmission priority and (2) the second current quality of service is within an acceptable quality of service range for transmissions using the second protocol.

35. **(Previously Presented)** The device of Claim 34, wherein the synchronization module moderates the traffic types to maintain acceptable quality of service.

36. (Canceled)

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37. **(Previously Presented)** The device of Claim 34, wherein the first current quality of service and the second current quality of service are determined by assessing one or more transmission characteristics of respective first and second transmissions.

38. **(Previously Presented)** The device of Claim 34, wherein at least one of the first and second transmissions comprises voice data.

39. **(Previously Presented)** The device of Claim 34, wherein the first and second quality of service ranges each comprise one or more ranges of acceptable values for different quality of service metrics.

40. **(Previously Presented)** The device of Claim 33, wherein at least one of the frequency-overlapping protocols comprises a frequency-hopping spread spectrum (**FHSS**) protocol.

41. **(Previously Presented)** The device of Claim 40 wherein the **FHSS** protocol further comprises a Bluetooth protocol.

42. **(Previously Presented)** The device of Claim 33, wherein at least one of the frequency-overlapping protocols comprises a direct sequence spread spectrum (**DSSS**) protocol.

43. **(Previously Presented)** The device of Claim 42, wherein the **DSSS** protocol comprises an IEEE 802.11 **DSSS** protocol or an IEEE 802.11b **DSSS** protocol.

44. **(Previously Presented)** The device of Claim 33, wherein the frequency-overlapping protocols comprise fixed-frequency protocols or alternating-frequency protocols.

45-52. **(Cancelled)**

53. **(Previously Presented)** A method of moderating transmission of data in a communication network, wherein a first device transmits a first transmission using a first protocol and a second device transmits a second transmission using a second protocol, the first and second protocols being associated with respective first and second priorities, wherein the first priority is higher than the second priority, the method comprising:

determining first and second quality of services ranges associated with respective first and second protocols;

monitoring a first current quality of service level of the first transmission and a second current quality of service level of the second transmission, wherein the first and

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second current quality of service levels are continuously updated during transmission of the first and second transmissions;

in response to detecting a collision between the first and second transmissions, moderating one of the first and second transmissions in the following manner:

moderating the second transmission in response to determining that the second current quality of service level is within the second quality of service range;

moderating the first transmission in response to determining that (1) the second current quality of service level is not within the second quality of service range and (2) the first current quality of service level is within the first quality of service range; and

moderating the first transmission in response to determining that (1) the second current quality of service level is not within the second quality of service range and (2) the first current quality of service level is not within the second quality of service level.